

**METHOD AND APPARATUS TO DETERMINE  
PRODUCT WEIGHT AND CALCULATE  
PRICE USING A CAMERA**

**ABSTRACT OF THE DISCLOSURE**

5           Products that are priced by weight are detected and identified by type  
by a camera. The camera is used to determine as the total size (volume) of the  
product. Total density of the product is found by using a look up table in a  
database, relating size to weight for each product. The total price is then  
calculated by multiplying total weight by the unit price. This method and  
10       apparatus can be applied both to cashier-assisted check out and to self-  
checkout, whereby the self-checkout customer need only place the product on  
the moving conveyor in order for pricing to occur.